that Williams network℠

We're back!

On January 5 of this year, Williams Network returned to the wholesale network business — big time. The announcement coincided with the expiration of a non-compete agreement made three years ago, and signaled our commitment to the wholesale market to once again demonstrate our focus on delivering advanced technologies and the ultimate in customer care

Williams first applied the innovative concept of using decommissioned pipelines to house fiber-optic transmission in the mid-1980s, creating the fourth largest fiber-optic network in the United States. Williams was also the first company to bring frame relay to the commercial market. Today, we continue to capitalize on this tradition of innovation and service by introducing the new Williams multi-service network

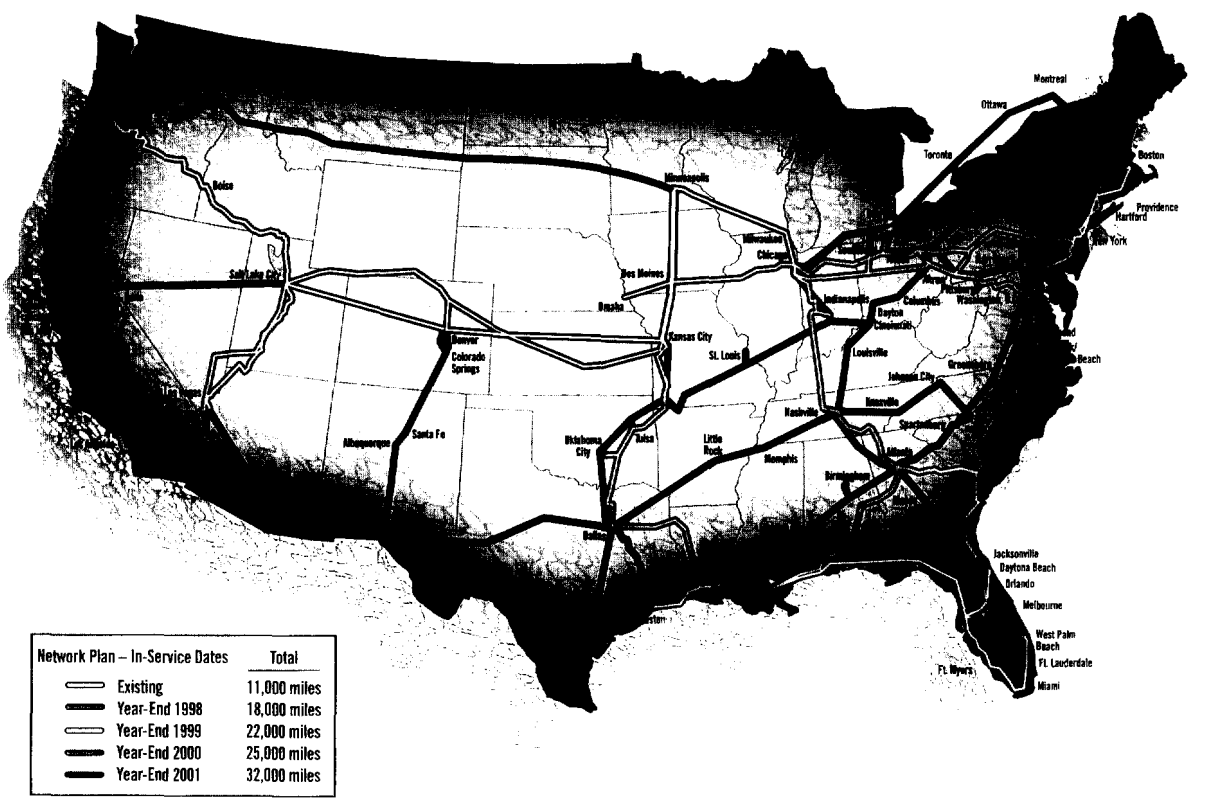
Built on an ATM platform, Williams' premier carrier-class network delivers best-in-class reliability and scalability, performance, and capacity, with the ability to support our customers' future growth. The network employs transport systems with Dense Wavelength Division Multiplexing from Nortel, delivering up to 80 gigabits per second on a single-fiber OC-192 system. Williams also utilizes the GX 550 ATM (asynchronous transfer mode) switch from Ascend communications to meet growing volumes of data traffic. The scalable switch adds top speed and capacity to the Williams backbone network.

GROWING AT THE SPEED OF LIGHT

In addition to the current nationwide fiber network, Williams:

- is nearing completion on a new 1,800-mile fiber network from Houston to Washington, D.C.
- has partnered to construct a new 1,600-mile fiber network from Portland to Los Angeles through Salt Lake City
- has partnered to build a new 4,500-mile fiber network from Los Angeles to New York, and
- will invest $2.7 billion over the next four years to complete a total of 32,000 miles of network by year-end 2001.

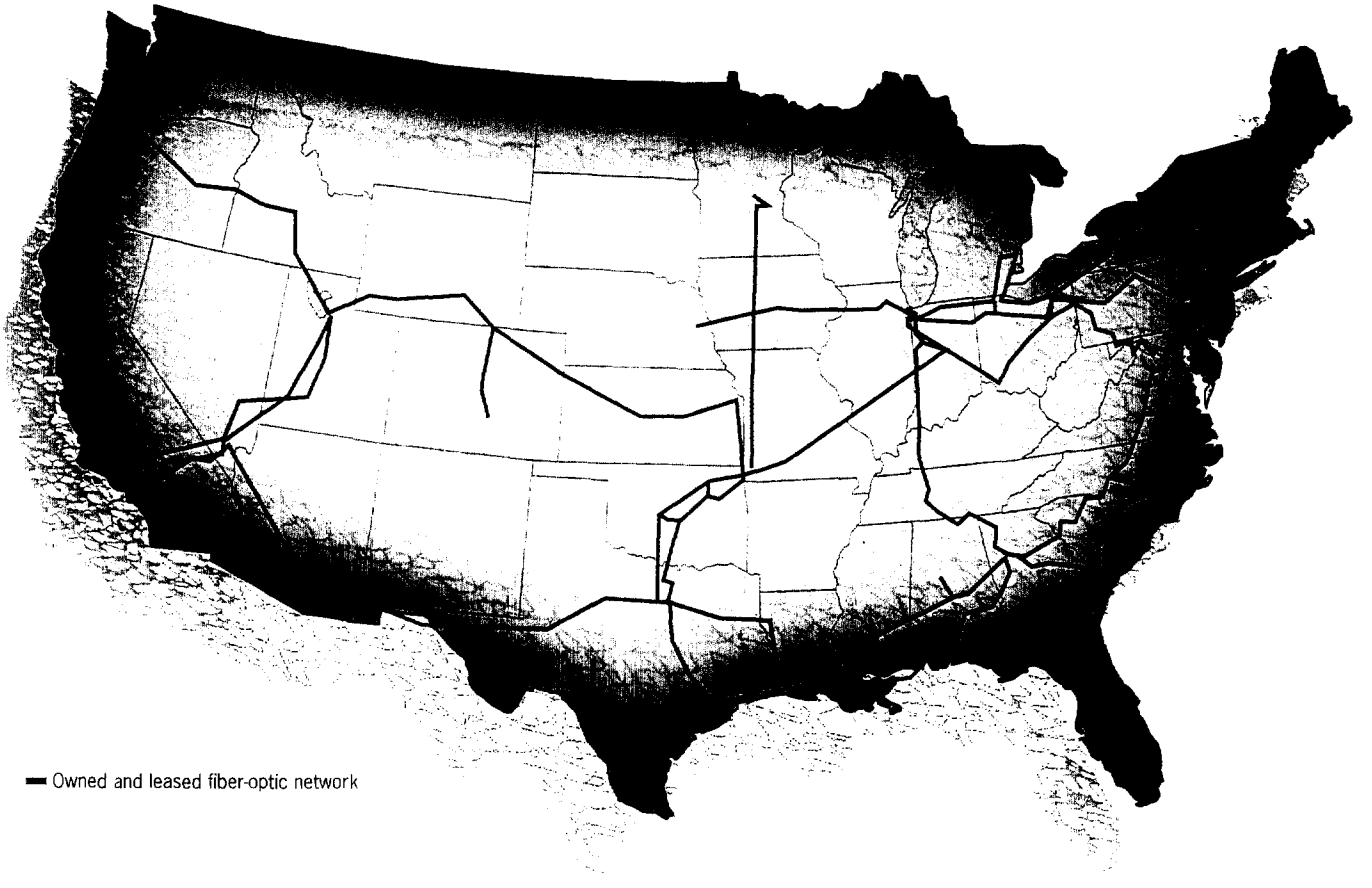
Currently, Williams Network has 53 major cities connected, with that number to reach 69 cities connected on the network by year-end, and growing to 100 cities as the network expansion proceeds in subsequent years.



Join Us! ALTS Continental breakfast sponsored by Williams Network, May 6, 7:30 - 8:30

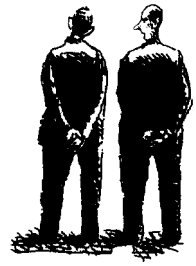
that Williams network™

that Williams network map



© 1998 The Williams Companies, Inc.

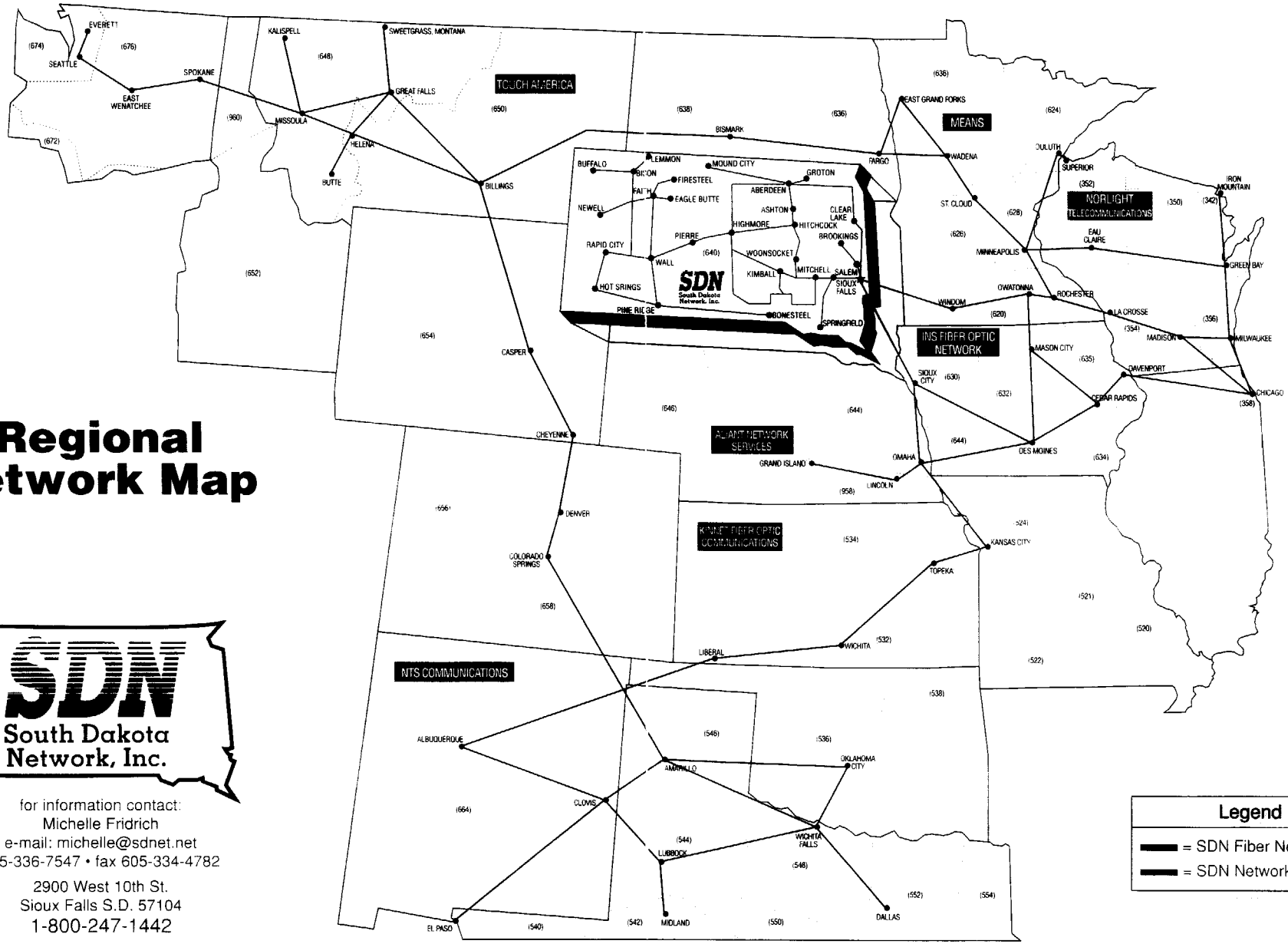
that Williams network™



That Williams network consists of over 11,000 miles of digital fiber, for all your needs at any speed — including DS-3s, ATM and SONET. More importantly, we're here for painless and powerful wholesale multimedia transport:

that Williams network offers	that Williams network provides
Key Products	• Wholesale ATM • Wholesale Private Line • Wholesale Frame Relay • Collocate • Technology Solutions
Key Applications	• Transport of data • Extension of the network beyond your home networks
Customer Base	• Regional Bell Operating Companies (RBOCs) • Local Exchange Carriers (LECs) • Competitive Local Exchange Carriers (CLECs) • Competitive Access Providers (CAPs) • Interexchange Carriers (IXCs) • Internet Service Providers (ISPs)
State-of-the-art Resources	• 11,000 fiber miles laid, lit and ready to ride • ATM core network
Leadership	• Howard Janzen, President and CEO of Williams Communications • Frank Semple, General Manager and President • Joe Turcotte, Vice President of Operations and Technology • Gordon Martin, Vice President of Sales and Marketing
Headquarters	Williams Communications One Williams Center Tulsa, Oklahoma 74172 1-800-WILLIAMS www.willtales.com

Regional Network Map



Legend

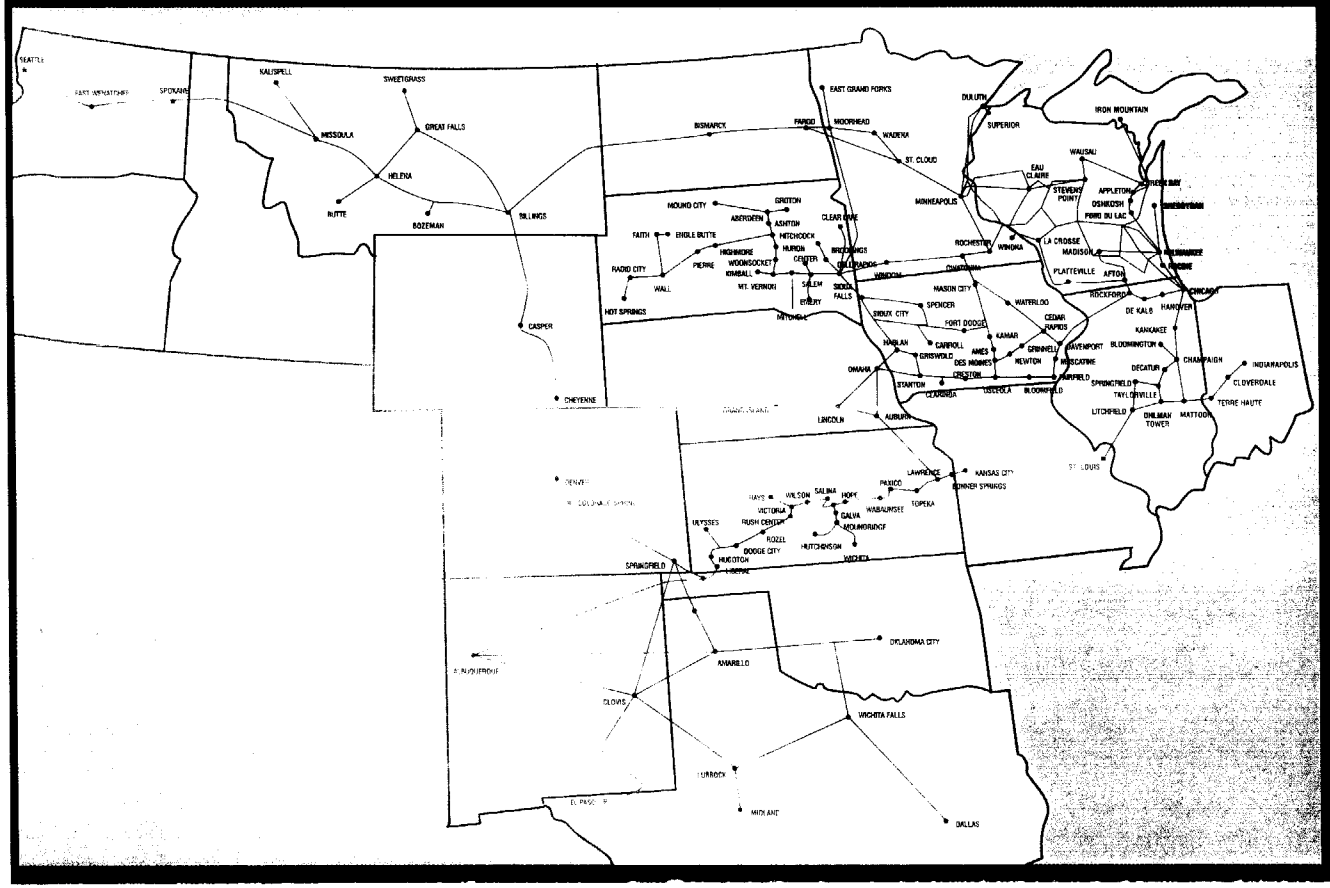
- = SDN Fiber Network
- = SDN Network Affiliates

SDN
South Dakota Network, Inc.

for information contact:
Michelle Fridrich
e-mail: michelle@sdnet.net
605-336-7547 • fax 605-334-4782

2900 West 10th St.
Sioux Falls S.D. 57104
1-800-247-1442

THE NORLIGHT NETWORK: EASY TO REACH. IMPOSSIBLE TO BREACH.



We're not just trying to sneak one past you. Our SONET network extends over 18 states, and provides over 100 Points-of-Presence. So allow us to offer a few helpful suggestions to enhance your network.

First of all, it's almost impossible to knock us down. We're the most complete and experienced provider of network services in the Midwest. Perhaps even more important, the Norlight network also includes the 24-hour trouble prevention provided by our Network Management Center – round-the-clock management and personal attention from our network guardians. All supported by service technicians strategically located throughout the country.

Discover the feeling of security that comes with an unbreachable network. To discuss enhancing your network with our high capacity Private Line, Frame Relay, Internet and Terminating Minutes capabilities, call 800-327-9098.

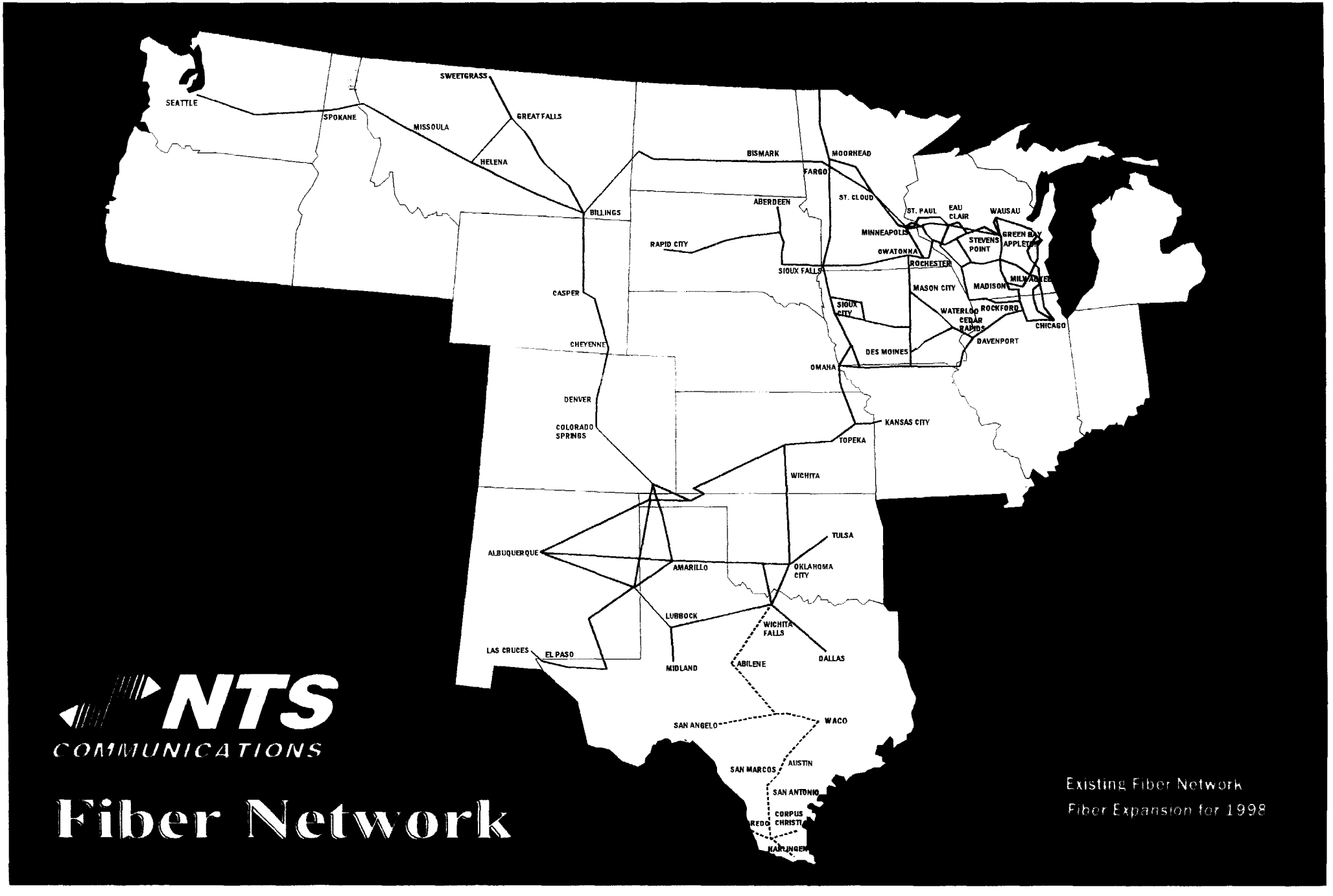
We won't drop the ball.

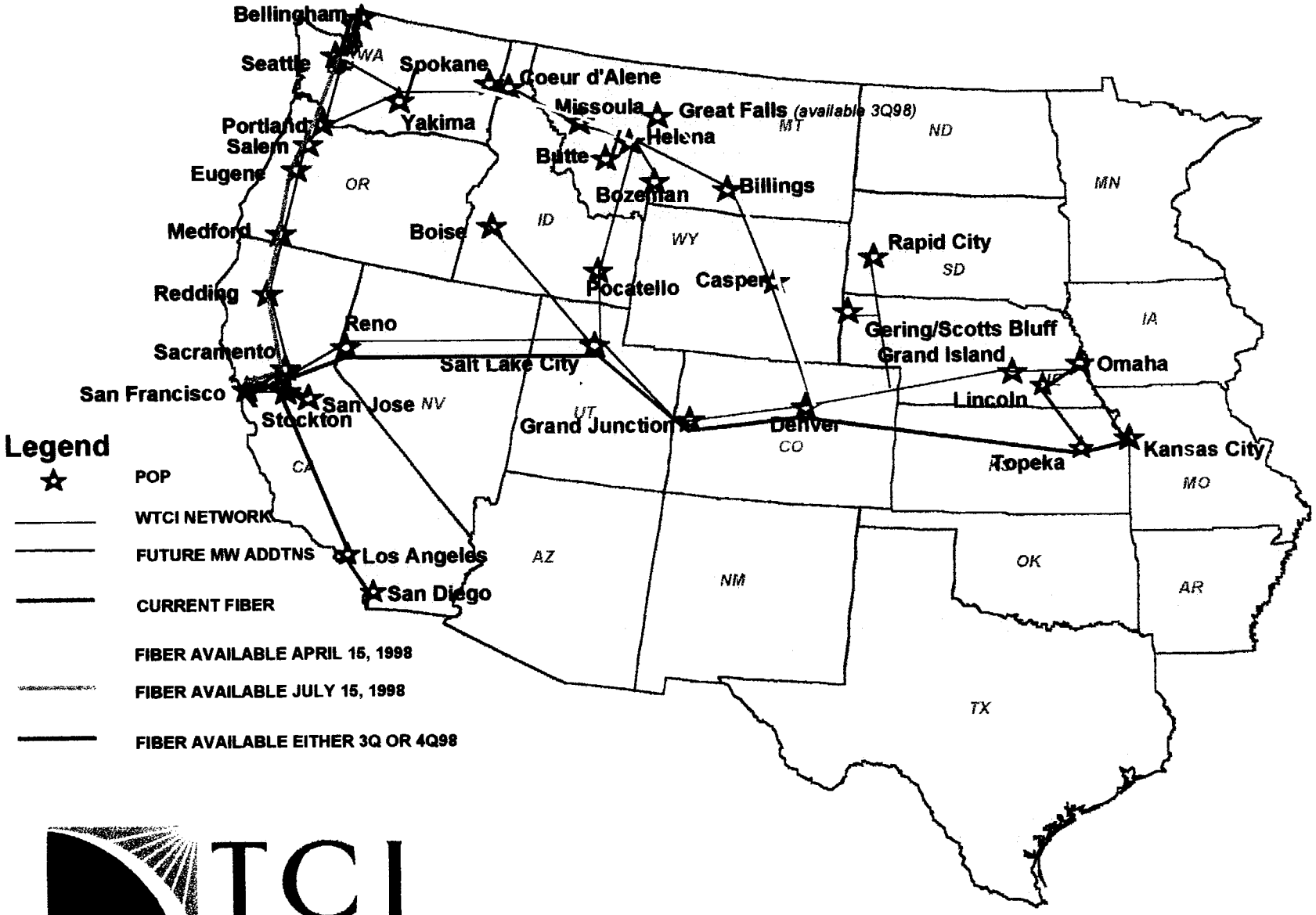
Norlight™

TELECOMMUNICATIONS

Private Line • Frame Relay • Internet
Long Distance • Technical Services
Satellite & Video

WWW.NORLIGHT.COM


SEATTLE
SPOKANE
SWEETGRASS
MISSOULA
GREAT FALLS
HELENA
BILLINGS
BISMARK
MOORHEAD
FARGO
ABERDEEN
ST. CLOUD
RAPID CITY
MINNEAPOLIS
ST. PAUL
EAU CLAIR
WAUSAU
STEVENS POINT
GREEN BAY
APPLETON
OWATONNA
ROCHESTER
SIOUX FALLS
MILWAUKEE
MASON CITY
MADISON
CASPER
SIOUX CITY
WATERLOO
CEDAR RAPIDS
ROCKFORD
CHICAGO
DAVENPORT
CHEYENNE
DES MOINES
OMAHA
DENVER
KANSAS CITY
COLORADO SPRINGS
TOPEKA
WICHITA
TULSA
ALBUQUERQUE
AMARILLO
OKLAHOMA CITY
LUBBOCK
WICHITA FALLS
LAS CRUCES
EL PASO
MIDLAND
ABILENE
DALLAS
SAN ANGELO
WACO
SAN MARCOS
AUSTIN
SAN ANTONIO
CORPUS CHRISTI
LAREDO
HARLINGEN
NTS
COMMUNICATIONS
Fiber Network
Existing Fiber Network
Fiber Expansion for 1998

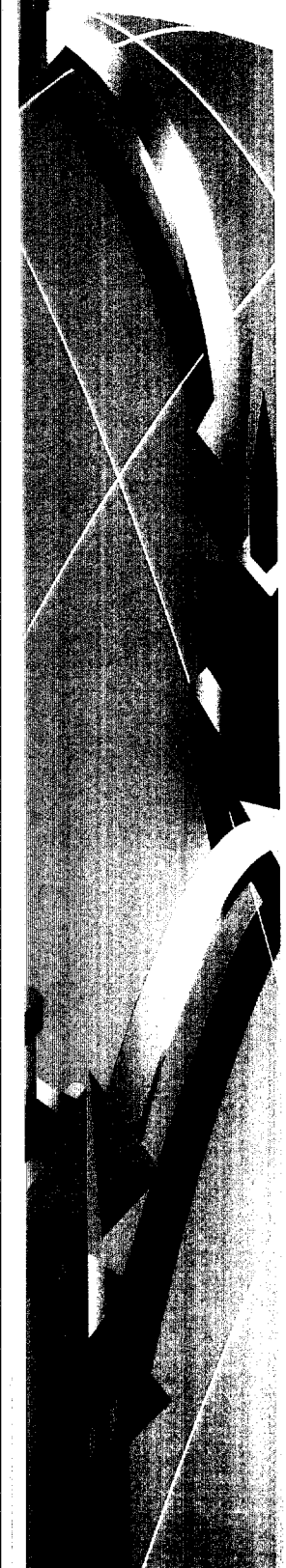


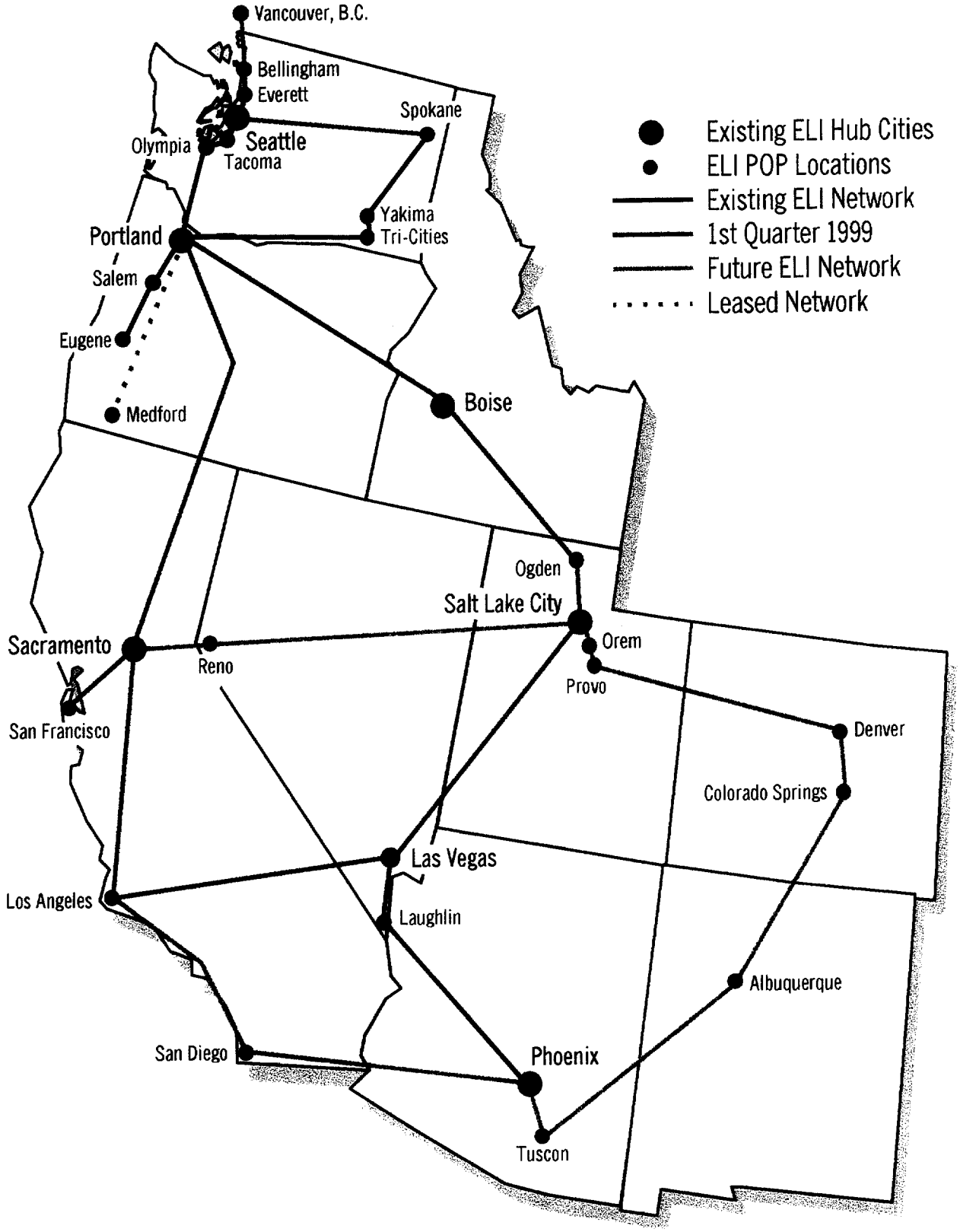
TCI®

Western Tele-Communications, Inc.

DIGITAL NETWORK

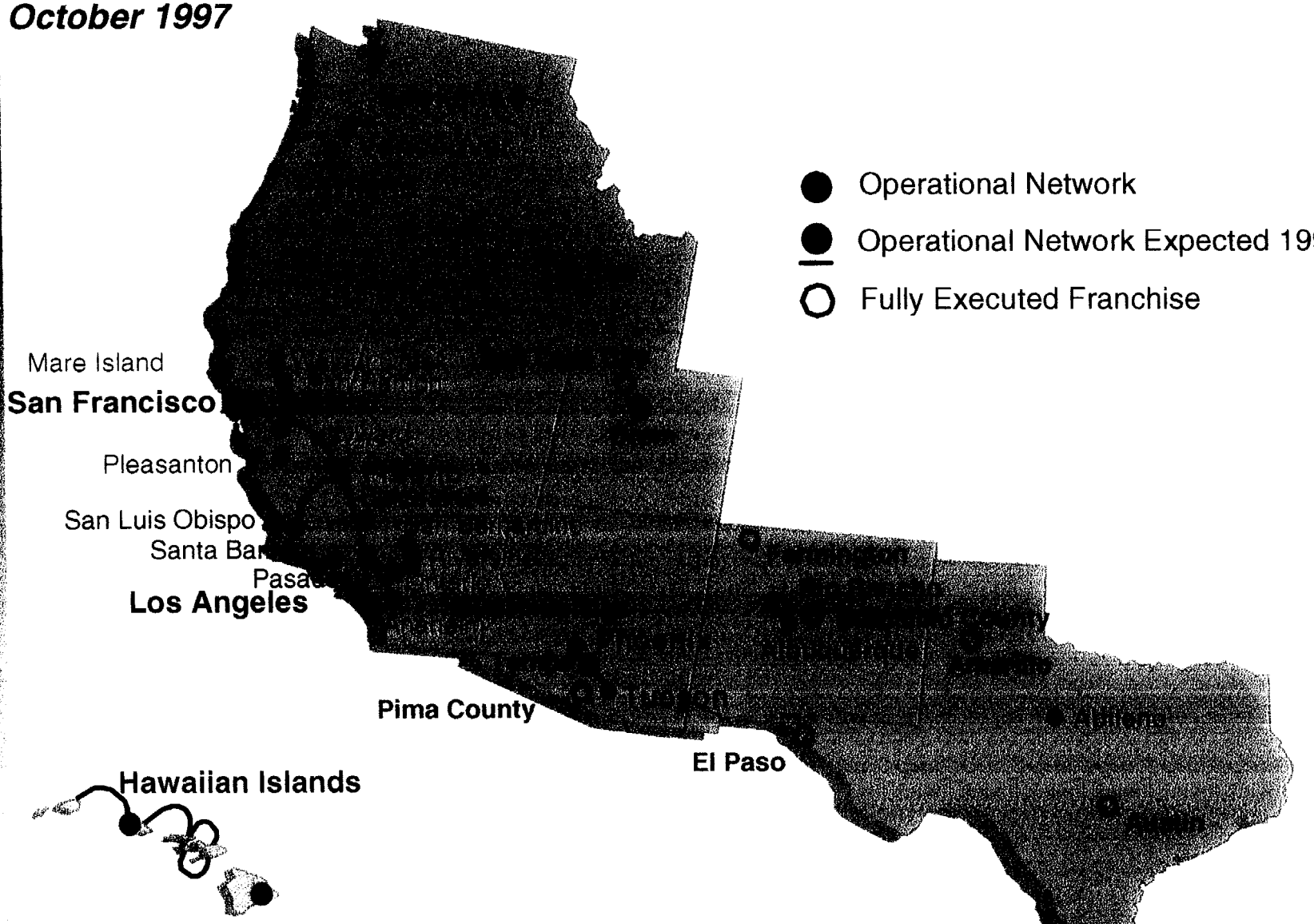
Electric Lightwave, Inc.
Network Map



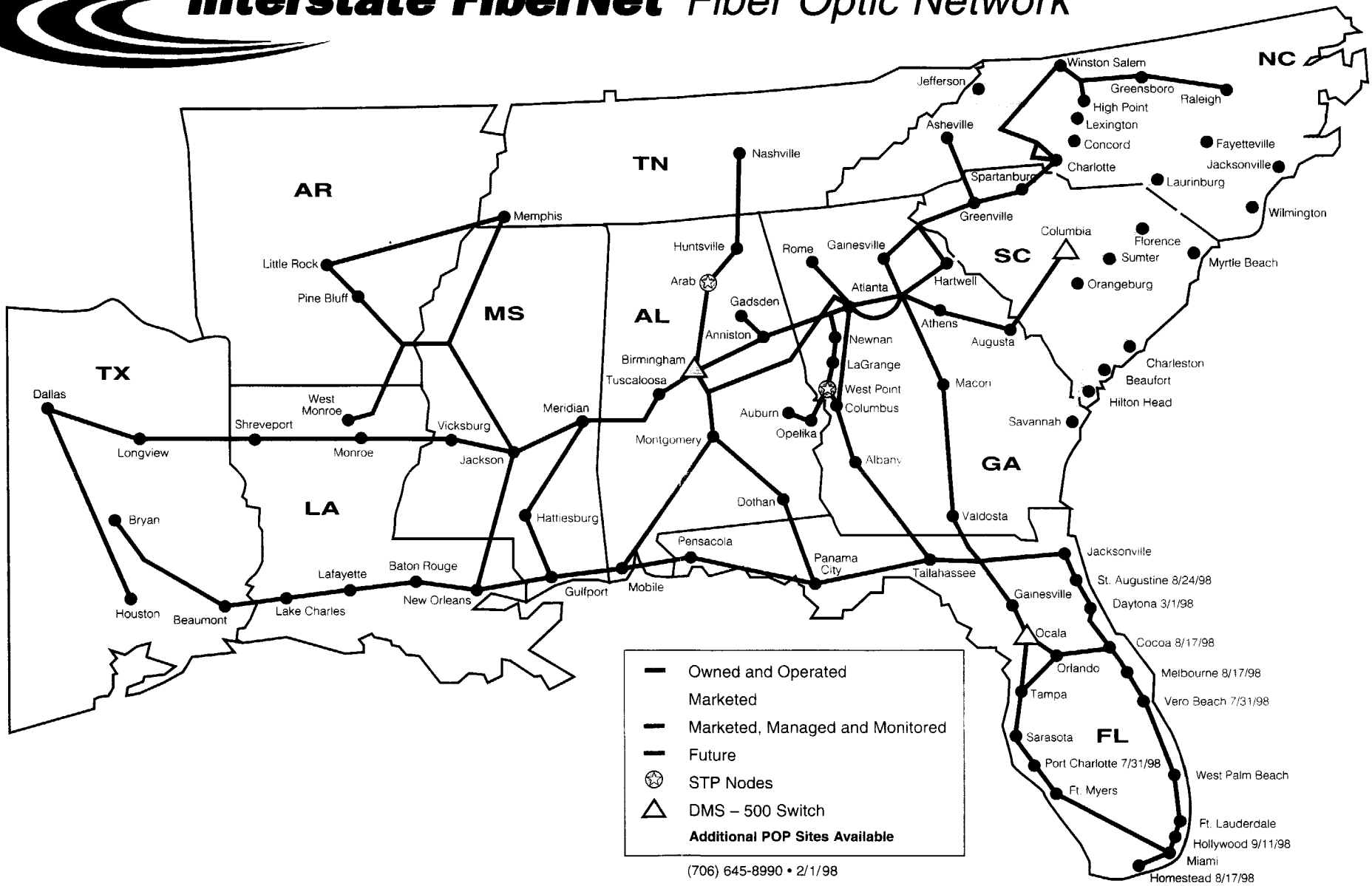


Network Footprint

October 1997



Interstate FiberNet Fiber Optic Network



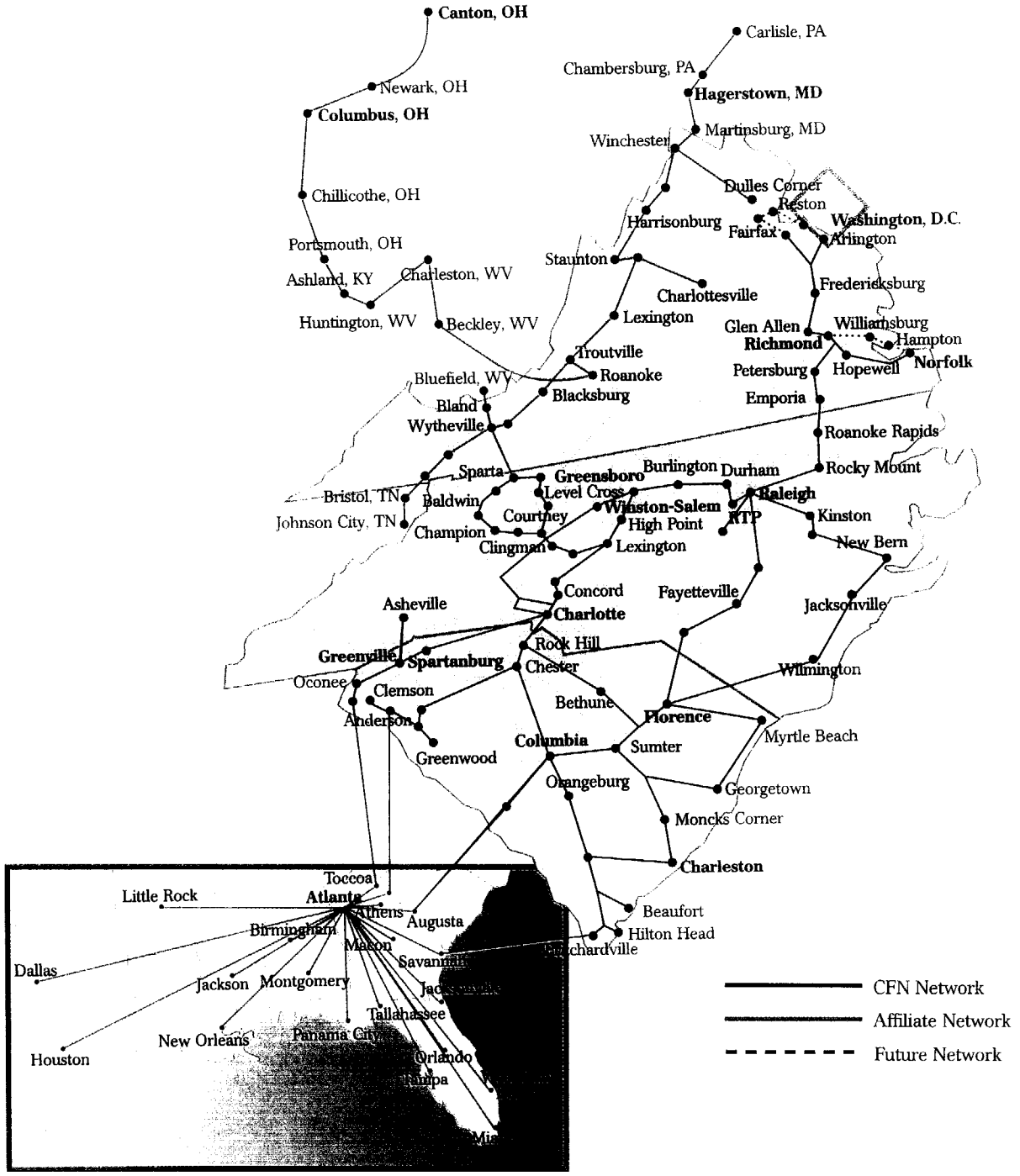
(706) 645-8990 • 2/1/98

19425-F Liverpool Parkway • Post Office Box 1217
Cornelius, North Carolina 28031

Home Page: www.cfnnetwork.com
E-Mail: tocfn@ix.netcom.com

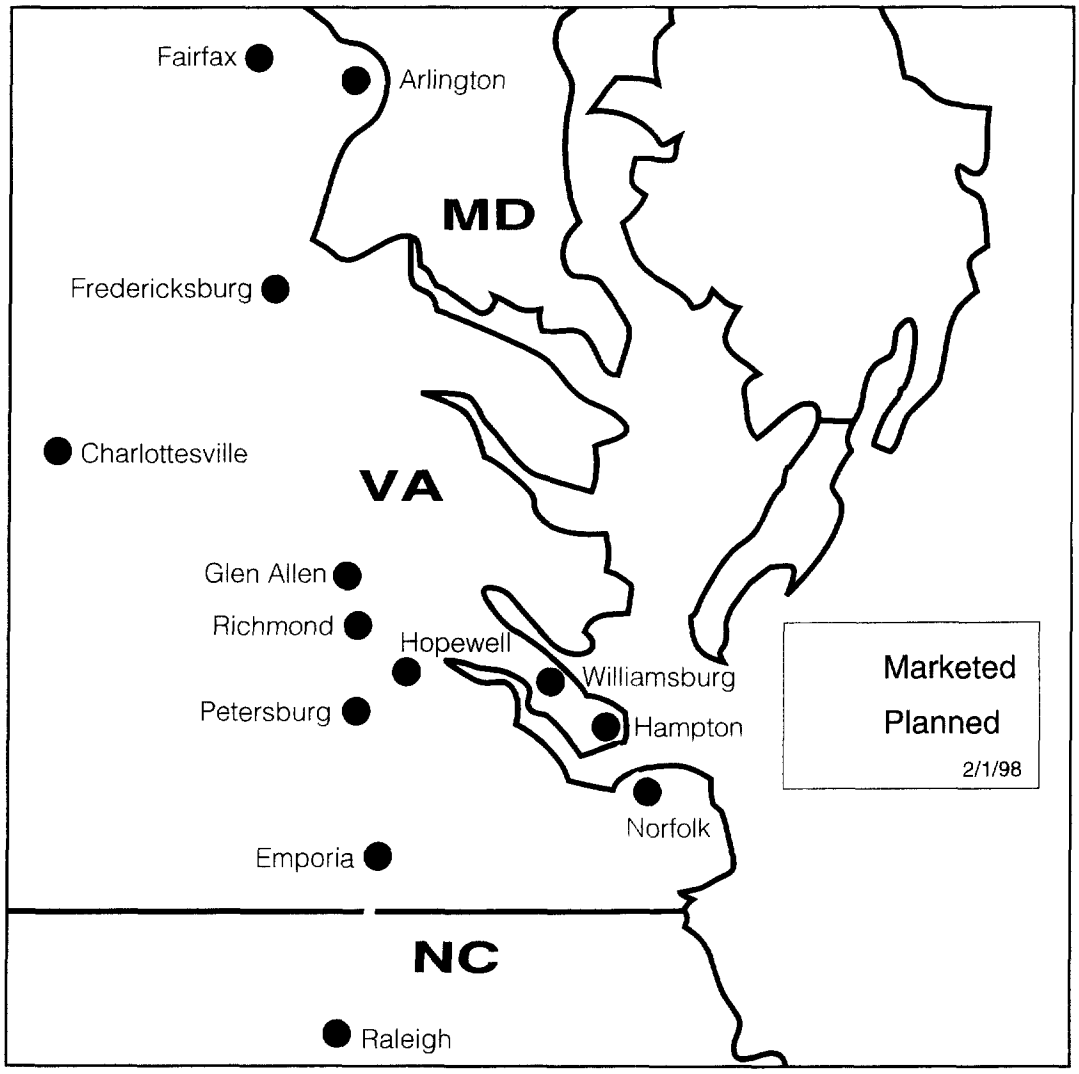
704-896-4940 • Fax: 704-896-4945

800-686-4940

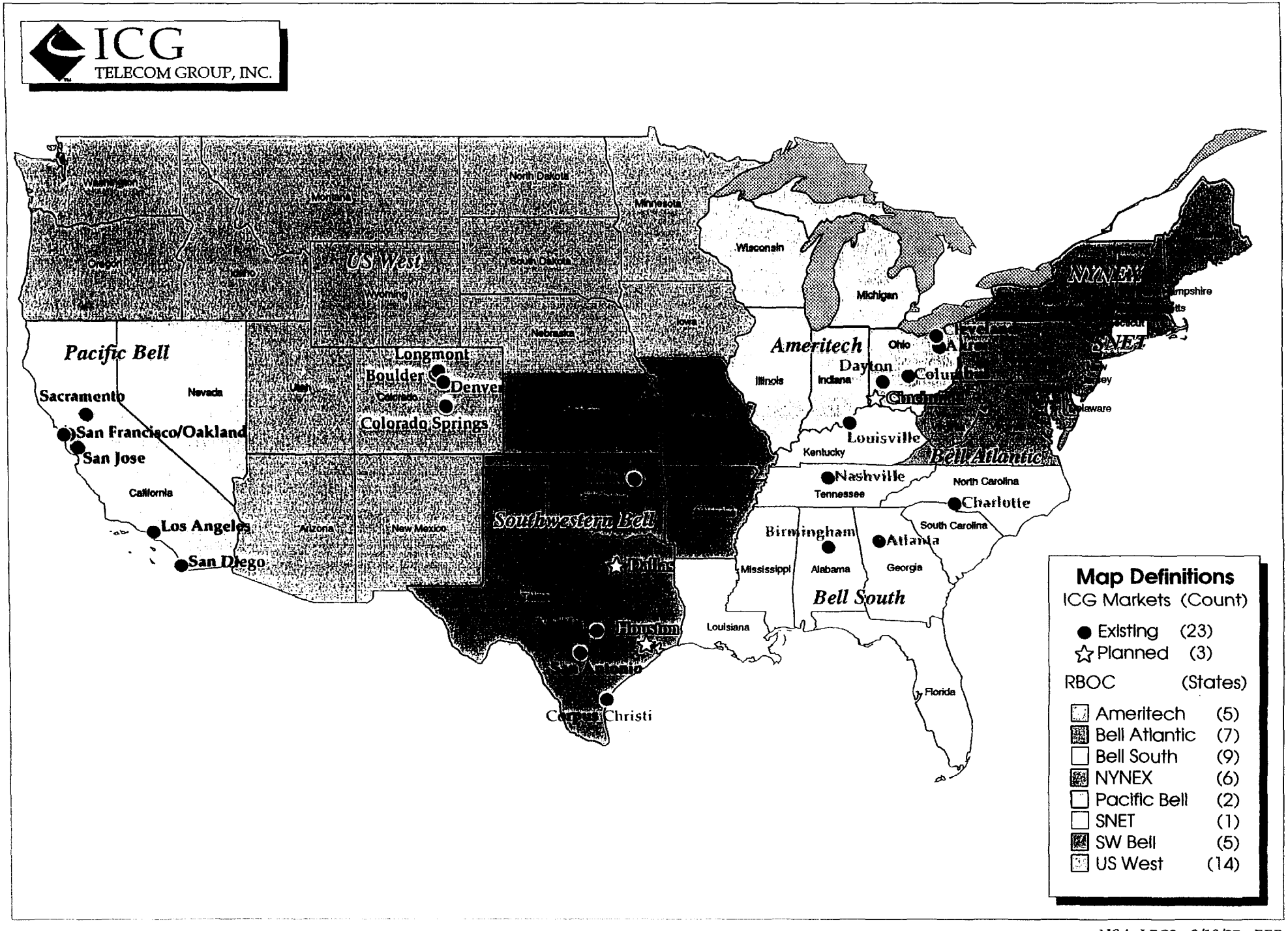


Interstate FiberNet

Announcing Network Expansion



United States Telephony and ICG Markets



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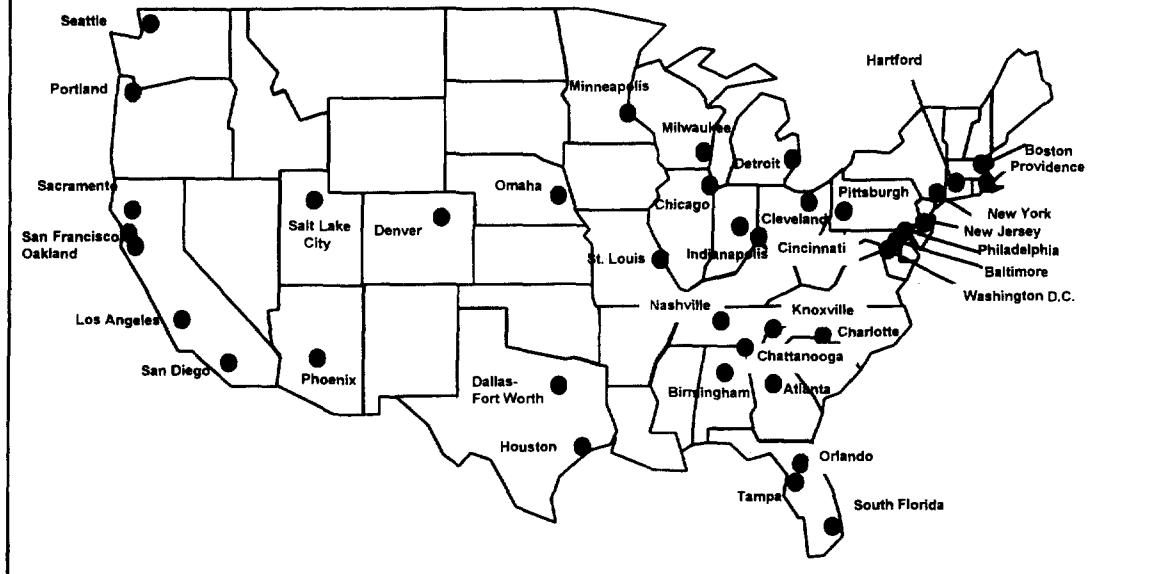
TCG Market Coverage



Local isn't just *local* anymore

TCG: Providing a Full Suite of Services Nationwide:

Since 1985, TCG has invested over $1Billion to build local networks in major markets across the country. TCG currently has presence in 66 MSAs, including 29 of the 30 largest. And we have only just begun...

Atlanta
Baltimore
Birmingham (New City)
Boston
Charlotte (New City)
Chicago
Cincinnati (New City)
Cleveland (New City)
Dallas
Denver
Detroit
Hartford
Houston
Indianapolis
Los Angeles
Miami
Milwaukee
Minneapolis
Nashville (New City)
New Jersey
New York
Oakland
Omaha
Orlando (New City)
Philadelphia
Phoenix
Pittsburgh
Portland
Providence
Sacramento (New City)
Salt Lake City
San Diego
San Francisco
Seattle
St. Louis
Tampa (New City)
Washington, DC

The other local phone company.℠ TCG